Name: ..... **Class:** ..... **Mark:** .....

1. (a) Define ROM. [1]

(b) Explain **one** use of ROM. [2]

(c) Define what RAM stands for. [1]

(d) Explain **two** uses of RAM. [4]

2. (a) Many modern computers make use of virtual memory.

Describe the role and purpose of virtual memory in a computer system. [4]

(b) Explain how increasing the amount of RAM in a computer system can improve performance. [2]

3. A number of scenarios are shown in the table below.

Tick (✓) **one** box in each row to show whether RAM or ROM would be used for each of the given scenarios. [6]

Scenario	RAM	ROM
An MP3 currently playing in the web browser		
A word processed document currently minimised		
The BIOS of the operating system		
An email currently being written		
Instructions on how to boot up the computer		
A computer game that is currently being played		

[Total 20 marks]